

**WHAT IS CLAIMED IS:**

1. A method used in a player for increasing the extendibility of disk copy protection, it includes the following steps:

5 a) Compare the version number in the system for disk copy protection with that of corresponding system for the copy protection in the player and confirm whether it needs to revoke data;

10 b) If the data needs to be revoked, read the information on the revocation data in said disk, then confirm whether to revoke the partial relevant playing license or revoke all the relevant playing license in accordance with the information on the revocation data;

c) If the partial relevant playing license is to be revoked, undertake revoking confirmation.

15 2. The method according to claim 1, wherein said step (c) further includes checking if the player holds the playing license that should be revoked, if it holds, it is not allowable for the player to play the compact disc normally.

3. The method according to claim 1, further including the following steps:

If revoke all the relevant playing license, confirm whether the player holds legal authorization;

20 If the player holds legal authorization, update the system software of the copy protection thereof.

4. The method according to claim 1, wherein said step a) further includes the step of reading said version number from the said compact disc.
5. The method according to claim 3, further including the step of downloading needed new system software of the copy protection from the Internet.
- 5 6. The method according to claim 3, further including the step of downloading needed new system software of the copy protection from compact disc or floppy disk.
7. The method according to claim 3, wherein said updating step includes updating the software of the bus encryption module of said player and  
10 updating the software of the bus decryption module and revocation conformation module in the decoding part of said player.
8. The method according to claim 1, wherein the confirming step of said step c) is implemented by the ID conformation module in the decoding part in said player.
- 15 9. The method according to claim 4, wherein said disk includes a guiding area, in the second sector of which are encrypted disk keys that are 16 bytes or over and the 16 bytes information on the version number of the system for the copy protection.
- 20 10. A player of increasing the extendibility of disk copy protection, it includes a drive part and a decoding part, said drive part includes an authentication module, a bus encryption module and an ID confirmation module; said decoding part includes an authentication module, a bus decryption module, a revocation confirmation module and an ID confirmation module, wherein,

When said player judges it needs to revoke all the relevant playing license according to the information of revocation data in said played compact disc, the ID confirmation module in said drive part, updating the software of the bus encryption module of the driving part, firstly confirms whether the player  
5 holds legal authorization, if it holds, update the software of the bus decryption module and update the software of the bus decryption module and revocation confirmation module in the decoding part;

When the said player needs to implement revoking the partial relevant playing license, the revocation confirmation module in the decoding part  
10 receives revocation data read from the compact disc and confirms revoking partial revocation data.

11. The player according to claim 10, wherein said read software is downloaded from the Internet.

12. The player according to claim 10, wherein said read software is read from  
15 upgraded optical compact disc or floppy disk.